Claims

[c1]   1. A method, comprising:

using a computer to form a pattern on only a part of a total textile roll, the textile roll having a width that is sufficient to enable forming an entire garment from the roll; and

using a laser to form said pattern on said roll.

[c2]   2. A method as in claim 1, wherein said textile roll is a roll of denim material.

[c3]   3. A method as in claim 1, wherein said laser is used to form said pattern at an energy density on the roll which changes a look of the material without undesirably damaging the material.

[c4]   4. A method as in claim 2, wherein said textile roll has a width of 60 inches or greater.

[c5]   5. A method as in claim 4, further comprising cutting parts of said garment from the roll after forming the pattern.

[c6]   6. A method as in claim 4, further comprising cutting parts of the garment from the roll prior to forming said pattern.

[c7]   7. A garment, comprising:

a denim material, sewn into the form of an article of clothing, and formed with a graphic pattern thereon, said graphic pattern being formed in all locations on the denim material including at least in hidden locations which are not visible from the outside of the denim material.

[c8]   8. A garment as in claim 7, wherein said garment includes denim jeans, and said hidden locations include at least one of inside pockets, under belt loops, or inside the waistband.

[c9]   9. A garment as in claim 7, wherein said graphic pattern is one which can be described by a mathematical equation.

[c10]   10. A garment as in claim 9, wherein said graphic pattern is a fractal pattern.

[cl1]   11. A garment as in claim 9, wherein said graphic pattern is one which has a central portion, and said central portion is formed in a specified central portion of the pattern.

[cl2]   12. A garment as in claim 11, wherein said central portion is formed in a central portion of a leg.

[cl3]   13. A method, comprising:
             defining a pattern which will be formed on a garment; and
             using a laser to form said pattern on the material which will form said garment in a single pass of the laser across said material.

[cl4]   14. A method as in claim 13, wherein said using comprises defining a pattern which will be formed across an area of at least 60 inches in width, and forming said pattern on a textile area of a at least 60 inches in width.

[cl5]   15. A method as in claim 14, further comprising sewing different separated pieces into a pattern after said forming.

[cl6]   16. A method as in claim 14, wherein said textile area includes separated pieces which will be sewed to form said material.

[cl7]   17. A method as in claim 14, wherein said textile area includes a continuous piece of material, and further comprising, after said forming, cutting said continuous piece into multiple separated pieces.

[cl8]   18. A method as in claim 13, wherein said defining a pattern comprises defining a pattern according to a mathematical equation.

[cl9]   19. A method as in claim 18, wherein said defining a pattern comprises defining a fractal type pattern.

[c20]   20. A method as in claim 15, wherein said pattern is formed on portions of the material which will not normally be seen after said sewing.

[c21]   21. A method as in claim 20, wherein said portions of the material which will not normally be seen includes at least one of insides of pockets, waistbands, or under belt loops.

[c22]   22. A method as in claim 14, wherein said defining a pattern comprises defining a pattern which will be formed on a 60 inch material web.

[c23]   23. A method as in claim 14, wherein said defining a pattern comprises defining a pattern of a first size, and then expanding said pattern to a second size of said at least 60 inches in width.

[c24]   24. A method as in claim 14, wherein said defining a pattern comprises defining first and second pattern parts, displaying a resultant of said first and second pattern parts, and wherein said using comprises using said laser to form said first pattern parts and then using said laser to form said second pattern part at separate times.

[c25]   25. A method as in claim 13, wherein said defining a pattern comprises defining boundary powers for said pattern which are reduced at edges of the pattern.

[c26]   26. A method as in claim 13, wherein said using comprises forming the pattern on a plurality of separated pieces.

[c27]   27. A method as in claim 13, wherein said using comprises forming the pattern on a single piece of material.

[c28]   28. A method as in claim 27, wherein said pattern is formed on only portions of said single piece of material.

[c29]   29. A method as in claim 13, wherein said pattern has a specified center portion and edge portions, and wherein said using comprises forming said center portions in the desired portion wherein will be in the final garment.

[c30]   30. A method, comprising:
             defining a pattern which will be formed on a final garment; and
             using a laser to form said pattern over an area which is at least 60 inches in width.

[c31]   31. A method as in claim 30, wherein said area includes a plurality of separated textile parts.

[c32]   32. A method as in claim 30, wherein said area includes a single continuous

textile part.

[c33]   33. A method as in claim 31, further comprising sewing said textile parts to form a final garment.

[c34]   34. A method as in claim 30, wherein said defining comprises defining a pattern which will be formed in a single pass of the laser across said material.

[c35]   35. A method as in claim 30, wherein said defining comprises defining a pattern formed of two parts, which will be formed into separate passes across the material.

[c36]   36. A method as in claim 30, wherein said defining comprises defining a pattern according to a mathematical equation by changing parameters associated with the mathematical equation.

[c37]   37. A method as in claim 36, wherein said defining a pattern comprises defining a fractal type pattern.

[c38]   38. A method as in claim 30, wherein said laser is used to form said pattern over all areas of material which will form a final garment, and further comprising sewing said material to form said final garment in a way such that said pattern is formed on at least one portion of the material which will not be normally seen after said sewing.

[c39]   39. A method as in claim 38, wherein said at least one portion of the material comprises an area inside a pocket.

[c40]   40. A method as in claim 38, wherein said at least one portion of the material comprises an area inside a waistband.

[c41]   41. A method as in claim 38, wherein said at least one portion of the material comprises an area under a belt loop.

[c42]   42. A method as in claim 35, further comprising viewing said two parts of said pattern as a single view.

[c43]
          43. A method as in claim 30, wherein said using comprises using said laser to

form a pattern with reduced power at boundary edges.

[c44]   44. A system, comprising:

a memory, storing a pattern to be formed on a material; and

a laser system, which automatically forms a pattern based on said pattern

stored in said memory, said laser system capable of forming a pattern of at

least 60 inches in width.

[c45]   45. A system as in claim 44, wherein said laser system forms a pattern of at

least 60 by 60 inches.

[c46]   46. A system as in claim 44, wherein said memory stores information indicative

of a fractal pattern to be formed on said material.